

ENHANCED IBC/TOTE TANK WARMING

A more effective way to warm contents of IBC/tote tanks

Application

Intermediate Bulk Container (IBC) users often need to raise the product temperatures to reduce viscosity or protect the contents from the cold. When they need to do this quickly the large volume of liquid, which could be more than 300 gallons (1136 liters), makes it challenging. Additionally, if the tank is in an extremely cold environment, the additional frigidty causes more difficulties. Raising or maintaining the temperature to the desired level ensures materials are ready for production and easy to dispense. Failure could result in the contents being ruined, production delays, or inability to dispense at all. This may increase production costs or damage to equipment. Replacing ruined materials, waiting for usable product, and damaged equipment could be very expensive and cause serious downtime.



Solution

The combination of BriskHeat's TTI immersion heater and TOTEWI wet-area IBC insulator is an effective IBC/tote tank heating system. Performance tests show that the immersion heater, when coupled with a BriskHeat IBC insulator, heats four times as fast than standard wraparound heaters. The universal-fit TTI immersion heater has 1500 watts for maximum heat, includes a built-in controller, and a plug-and-play design. Additionally, the superalloy incoloy 840 will not corrode and contaminate the product. The TOTEWI insulators fit any IBC with a circumference between 160 in (4060 mm) and 192 in (4880 mm), are easily installed using the built-in straps and buckles, and are extremely durable. Both are suitable for use in wet environments. For faster warming, use the TOTEW wet-area tote heater with the TTI.



Additional Uses

BriskHeat offers a full line of immersion heaters and cloth insulators suitable for many applications in almost any environment.



Industries

Agriculture/Farming/Ranching	Heavy Industry/Mining
Chemical Processing/ Extractions	Injection Molding/Plastics/ Rapid Prototyping
Energy/Power Generation	Manufacturing
Food & Beverage Processing	Pulp & Paper
Gas & Oil	Water/Wastewater Treatment

Types of Users

Production Engineers	Process Engineers
Facilities Maintenance	Plant Managers